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From: LCARPENTER
To: MODIS.DATA.TEAM
Subj: MODIS SDST Minutes 12/04/92

MODIS Science Data Support Team (SDST) Meeting Minutes 12/04/92

ATTENDEES: Phil Ardanuy, Lloyd Carpenter, Paul Chan, Jy-Tai Chang, Larry Fishtahler, Tom Goff, Liam Gumley, Paul Hubanks, Ed Masuoka, J. J. Pan, Shahin Samadi, Greg Schmidt, Steve Ungar, Lalit Wanchoo.

NEXT MEETING: Date   Time   Building   Room
            Friday, December 11   10:00 am   22   G95

TOPICS:

1. MODIS AIRBORNE SIMULATOR (MAS): Liam Gumley reported on the status of MAS data processing. All MAS FIRE data taken through 11/26/91 have been processed with temperature dependent calibration, clock offset corrections, quicklook imagery, flight summary text, flight track maps over coastline, and Exabyte 8500 tape output. Quicklook and summaries are available for anonymous FTP at ltpiris2.gsfc.nasa.gov.

2. ALGORITHM DEPENDENCY DIAGRAM AND DATA PRODUCTS LIST: J.J. Pan presented version 4.5 of the algorithm dependency diagram incorporating the latest changes. Based on this diagram, there are 57 Level-2 data products consisting of 45 at-launch and 12 post-launch. Data product lists are included for Level-2, Level- 3, and input data from non-MODIS instruments. Further changes are expected.

3. POINTING/POSITION ERROR BUDGET FOR MODIS: Paul Hubanks presented refined information on MODIS pointing/position error budgets. The effects of the errors in roll, pitch and yaw on the along-track and along-scan Earth location of pixels were shown graphically, as a function of scan angle.

4. MODIS LEVEL-1A DATA RATE AND DATA STRUCTURE: Tom Goff presented a description of the MODIS Level-0 and Level-1A data. The unknown and TBD quantities were identified. Rates and volumes were derived. The

proposed structure of the Level-1A product was described.

5. MODIS SOFTWARE REQUIREMENTS/DESIGN REVIEWS: Lloyd Carpenter presented a preliminary draft of the schedule for MODIS Level-1A software reviews. The plan is to have a System Requirements Review (SRR) in March, 1993, a Preliminary Design Review (PDR) in September, 1993, and a Critical Design Review (CDR) in January, 1994. Intermediate tasks in preparing for each review were identified.

ACTION ITEMS:

06/12/92 [Tom Goff, Carroll Hood]. Due Date: 07/10/92. Develop separate detailed schedules using Microsoft Project for Level-1A and -1B software design and development. (A detailed Level-1 design was included in the 07/17/92 handout with refinements on 07/24/92 and 10/02/92. The action item was changed to require refinement of the use of Microsoft Project so that it becomes a useful tool rather than an action item. A copy of version 3.0 of Microsoft Project for the Mac has been obtained and installed on the Mac IIsi. The MODIS SDST data files have been transferred from the PC and tested satisfactorily. The software has been used to generate a Ghant chart of the software review schedule.) STATUS: Open.

11/06/92 [Lloyd Carpenter]. Due Date: 11/27/92. Develop a plan for MODIS software requirements definition, documentation and review. STATUS: Closed.

11/06/92 [Lloyd Carpenter]. Due Date: 11/27/92. Develop a plan for generating updated computer resource requirements for MODIS production processing. (A preliminary plan and an update of the Level-1 data rates and volumes were presented on 11/25/92. A detailed description of the Level-1A data was presented on 12/04/92.) STATUS: Open.

11/13/92 [Team]. Due Date: 12/03/92. Update the data products list, gathering information from the science team members. Update the dependency diagram to be consistent with the new product list. STATUS: Closed.

12/04/92 [Team]. Due Date: 12/18/92. Generate a definition for MODIS

data product Level-1A, -1B, -2 and -3. STATUS: Open.